


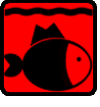



Assessment Summary

Middle Creek Levisa Fork 0.0 to 4.6 KY498108_01	 <p>This part of the stream does not support aquatic life, partially supports swimming (Primary Contact Recreation).</p>
Mouth to Bob Fitzpatrick Branch	
Floyd County, Big Sandy River Basin	
HUC 05070203	
Assessment Date: 4/29/2016	



Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (4C-NS)	Dissolved oxygen saturation	Package Plant or Other Permitted Small Flows Discharges	Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Lead	Non-Point Source, Petroleum/natural Gas Activities	Concentrations exceeded the water quality standard	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Sedimentation/Siltation	Loss of Riparian Habitat, Non-Point Source, Package Plant or Other Permitted Small Flows Discharges, Urban Runoff/Storm Sewers	Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Specific Conductance	Loss of Riparian Habitat, Non-Point Source, Package Plant or Other Permitted Small Flows Discharges, Urban Runoff/Storm Sewers	Elevated dissolved substances are negatively affecting the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Monitoring data more than 5 years old, Physical/Chemical Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDFWR, KDOW AWQ, KDOW BACT

³ Data Collection Date(s): 8/12/2002 - 3/30/2013

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 (5-NS)	Total Suspended Solids (TSS)	Loss of Riparian Habitat, Non-Point Source, Package Plant or Other Permitted Small Flows Discharges, Urban Runoff/Storm Sewers	Concentrations are negatively affecting the aquatic community and/or recreation	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-PS)	Escherichia coli	Non-Point Source, Package Plant or Other Permitted Small Flows Discharges, Urban Runoff/Storm Sewers	Concentrations exceeded the water quality standard	Pathogen Monitoring

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